

Substitute for form 14498/PTO

Date Submitted: February 28, 2005

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Sheet

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of

1

Complete if Known

Application Number

10/718,266

Filing Date

11/21/2003

First Named Inventor

Andre Jestin

Group Art Unit

1648

Examiner Name

Ali Reza Salimi

Attorney Docket Number

042049-0107

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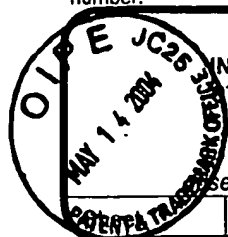
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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

May 14, 2004

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1 of 6

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Application Number	10/718,266
Filing Date	11/21/2003
First Named Inventor	André JESTIN
Group Art Unit	1648
Examiner Name	To Be Assigned
Attorney Docket Number	042049-0107

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
AS	B1.	6,497,883		Michel et al.	12-24-2002	
	B2.	6,517,843		Albert et al.	02-11-2003	
	B3.	6,143,334		Gordon et al.	11-07-2000	
	B4.	2002/0177216		Phillip et al.	11-28-2002	
	B5.	2002/0106639		Wang et al.	08-08-2002	
	B6.	2002/0055189		Bernhardt et al.	05-09-2002	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
AS	B7.		FR 2 422 956	/	Institut Pasteur	11-09-1979		
	B8.		FR 2 518 755	/	Institut Pasteur	06-24-1983		
	B9.		WO 90/11092	/	Vical, Inc.	10-04-1990		
	B10.		WO 94/27238	/	MDS Health Group Ltd.	11-24-1994		
	B11.		WO 95/11307	/	Institut Pasteur	04-27-1995		
	B12.		WO 00/77188	/	Merial	12-21-2000		
	B13.		DE 10044648	/	Aventis Behring GmbH	03-21-2002		
	B14.		WO 01/96377	/	Purdue Research Foundation	12-20-2001		
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AS	B16.	Allan, G.M. et al., 1995, Vet. Microbiol., 44: 49-64.	
	B17.	Barany, F., 1991, PNAS. USA, 88: 189-193.	
	B18.	Liu et al., 1997, J. Gen. Virol., 78 (Pt 6), 1265-1270.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/718,266
		Filing Date	11/21/2003
May 14, 2004		First Named Inventor	André JESTIN
		Group Art Unit	1648
(use as many sheets as necessary)		Examiner Name	To Be Assigned
		Attorney Docket Number	042049-0107
Sheet	2	of	6

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AJ	B19.	Buckholz, R.G., 1993, Yeast systems for the expression of heterologous gene products. Curr. Op. Biotechnology 4: 538-542.	
	B20.	Burg, J.L. et al., 1996, Mol. and Cell. Probes, 10: 257-271.	
	B21.	Chu, B.C.F. et al., 1986, NAR, 14: 5591-5603.	
	B22.	Chu, P.W.G. et al., 1993, Virus Research, 27: 161-171.	
	B23.	Clark, E.G., 1997, American Association of Swine Practitioners, 499-501.	
	B24.	Daft, B. et al., 1996, American Association of Veterinary Laboratory Diagnosticians, 32.	
	B25.	Derse, D. et al., 1995, J. Virol., 69(3): 1907-1912.	
	B26.	Duck, P. et al., 1990, Biotechniques, 9: 142-147.	
	B27.	Dulac, G.C. et al., 1989, Can. J. Vet. Res., 53: 431-433.	
	B28.	Edwards, C.P., and Aruffo, A., 1993, Current applications of COS cell based transient expression systems. Curr. Op. Biotechnology 4: 558-563.	
	B29.	Edwards, S. et al., 1994, Vet. Rec., 134: 680-681.	
	B30.	Erlach, H.A., 1989, In PCR Technology. Principles and Applications for DNA Amplification. New York: Stockton Press.	
↓	B31.	Felgner, et al., 1987, Proc. Natl. Acad. Sci., 84: 7413-7417.	
	B32.	Fontes, E.P.B. et al., 1994, J. Biol. Chem., Vol. 269, No. 11: 8459-8465.	

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		Filing Date	11/21/2003
		First Named Inventor	André JESTIN
		Group Art Unit	1648
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A)	B33.	Fraley et al., 1980, J. Biol. Chem., 255: 10431-10435.	
	B34.	Guateli, J.C. et al., 1990, Proc. Nat'l Acad. Sci., USA, 87: 1874-1878.	
	B35.	Hackland, A.F. et al., 1994, Arch. Virol., 139: 1-22.	
	B36.	Hanson, S.F. et al., 1995, Virology, 211: 1-9.	
	B37.	Harding, J.C., 1997, American Association of Swine Practitioners, 503.	
	B38.	Harding, R.M. et al., 1993, Journal of General Virology, 74: 323-328.	
	B39.	Harding, J.C. and Clark, E.G., 1997, Swine Health and Production, Vol. 5, No. 5: 201-203.	
	B40.	Heyraud-Nitschke, F. et al., 1995, Nucleic Acids Research, Vol. 23, No. 6: 910-916.	
	B41.	Horner, G.W., 1991, Surveillance 18(5): 23.	
	B42.	Müller, 1974, in Methode der Organischen Chemie, E. Wunsch Ed., Volume 15-I and 15-II, Thieme, Stuttgart.	
	B43.	Huygen, K. et al., 1996, Nature Medicine, 2(8): 893-898.	
	B44.	Innis, M.A. et al., 1990, in PCR Protocols. A guide to Methods and Applications, San Diego, Academic Press.	
	B45.	Kaneda, et al., 1989, Science, 243: 375-378.	
✓	B46.	Kievitis, T. et al., 1991, J. Virol. Methods, 35: 273-286.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT May 14, 2004 <i>(use as many sheets as necessary)</i>		Application Number	10/718,266
		Filing Date	11/21/2003
		First Named Inventor	André JESTIN
		Group Art Unit	1648
		Examiner Name	To Be Assigned
Sheet	4	of	6
		Attorney Docket Number	042049-0107

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
AJ	B47.	Kohler, G. & Milstein, 1975, Nature, 256(5517): 495-497.	
	B48.	Kwoh, D.Y. et al., 1989, Proc. Nat'l Acad. Sci., USA, 86: 1173-1177.	
	B49.	Ladany, S. et al., 1989, J. Clin. Microbiol. 27: 2778-2783.	
	B50.	Lazarowitz, S.G. et al., 1989, The EMBO Journal, Vol. 8 No. 4: 1023-1032.	
	B51.	Luckow, V.A., 1993, Baculovirus systems for the expression of human gene products. Curr. Op. Biotechnol. 4: 564-572.	
	B52.	Matthews, J.A. et al., 1988, Anal. Biochem., 169: 1-25.	
	B53.	McNeilly, F. et al., 1996, Vet. Immunol. Immunopathol., 49: 295-306.	
	B54.	Marglin, A. and Merrifield, R.B., 1966, J. Am. Chem. Soc., 88(21): 5051-5052.	
	B55.	Midoux, 1993, Nucleic Acids Research, 21: 871-878.	
	B56.	Miele, E.A. et al., 1983, J. Mol. Biol., 171: 281-295.	
	B57.	Virus Taxonomy, Murphy, F.A. et al., Ed. 1995, Sixth Report of the International Committee on Taxonomy of Viruses, Springer-Verlag Wien New York.	
	B58.	Nayar, G.P. et al., 1997, Can. Vet. J. 38(6): 385-386.	
	B59.	Olins, P.O., and Lee, S.C., 1993, Curr. Op. Biotechnol. 4: 520-525.	
	B60.	Pagano et al., 1967, J. Virol., 1: 891-897.	
	B61.	Rolfs, A. et al., "Usage of Polymerase Chain Reaction in Genetic and Infectious Disease" in PCR Topics, 1991, Springer-Verlag, Berlin.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT May 14, 2004 (use as many sheets as necessary)		Application Number	10/718,266
		Filing Date	11/21/2003
		First Named Inventor	André JESTIN
		Group Art Unit	1648
		Examiner Name	To Be Assigned
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		Attorney Docket Number	042049-0107

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A	B62.	Sambrook, J. et al., 1989, Molecular cloning: A Laboratory Manual. Cold Spring Harbor, NY: Cold Spring Harbor Laboratory Press.	
	B63.	Sanchez-Pescador, R., 1988, J. Clin. Microbiol., 26(10): 1934-1938.	
	B64.	Kessler, C., "Overview of Amplification on Systems" in Non-radioactive Labeling and Detection of Biomolecules, 1992, Springer Verlag, Berlin, New-York: 197-205.	
	B65.	Shiver, J.W., "Immune Responses to HIV gp120 Elicited by DNA Vaccination," in Vaccines, 1995, eds Chanock, et al., pp. 95-98, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York.	
	B66.	Tascon, R.E. et al., 1996, Nature Medicine, 2(8): 888-892.	
	B67.	Tischer, I. et al., 1982, Nature, 295: 64-66.	
	B68.	Tischer, I. et al., 1986, Arch. Virol., 91: 271-276.	
	B69.	Tischer, I. and Bohk, H.J., 1988, Zentralbl Bakteriell Mikrobiol Hyg [A] 270: 280-287.	
	B70.	Urdea, M.S., 1988, Nucleic Acids Research, 11: 4937-4957.	
	B71.	Walker, G.T. et al., 1992, Nucleic Acids Res. 20: 1691-1696.	
	B72.	Walker, G.T. et al., 1992, Proc. Nat'l Acad. Sci., USA, 89: 392-396.	
	B73.	White, B.A. et al. Eds, "PCR Cloning Protocol" in Methods in Molecular Biology, 67, Humana Press, Towota, 1997.	
	B74.	Zhao, T.M. et al., 1996, Proc. Natl. Acad. Sci., USA 93(13): 6653-6648.	
	B75.	Pearson, William R. et al., 1988, "Improved Tools for Biological Sequence Comparison", Proc. Nat'l Acad, Sci., USA, 85: 2444-2448	

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A1	B76.	Kasahara, Noriyuki et al., 1994, "Tissue-Specific Targeting of Retroviral Vectors Through Ligan-Receptor Interactions", Science, 266: 1373-1376	
	B77.	Young, John A. T. et al., "Efficient Incorporation of Human CD4 Protein into Avian Leukosis Virus Particles", Reports, 1421-1423	
	B78.	Chu, Te-hua Terina et al., 1997, "Toward Highly Efficient Cell-Type-Specific Gene Transfer with Retroviral Vectors Displaying Single-Chain Antibodies", J. Virol., 71(1): 720-725	
	B79.	Smith, Temple F. et al., 1981, "Comparison of Biosequences", Advances in Applied Mathematics, 2: 482-489	
	B80.	Valsesia-Whittmann, Sandrine et al., 1996, "Improvement of Retroviral Retargeting by Using Amino Acid Spacers between an Additional Binding Domain and the N Terminus of Moloney Murine Leukemia Virus SU", J. Virol, 70(3): 2059-2064	
	B81.	Neddleman, Saul B. et al., 1970, "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins", J. Mol. Biol., 48(3): 443-453	
	B82.	Cosset, Francois-Loic et al., 1995, "Retroviral Retargeting by Envelopes Expressing an N-Terminal Binding Domain", J. Virol., 69:6314-6322	
	B83.	Blanchard et al., 2003, "An ORF2 Protein-Based ELISA for Porcine Circovirus Type 2 Antibodies in Post-Weaning Multisystemic Wasting Syndrome", Veterinary Microbiology, 94: 183-184	
	B84.	Rose, N. et al., 2002, "Risk Factors for Porcine Post-Weaning Multisystemic Wasting Syndrome (PMWS) in 149 French Farrow-to-Finish Herds", Preventive Veterinary Microbiology, 61: 209-225	
	B85.	Blanchard et al., 2003, "Protection of Swine Against Post-Weaning Multisystemic Wasting Syndrome (PMWS) by Porcine Circovirus Type 2 (PCV2) Proteins", Vaccine 21: 4565-4575	
	B86.	Derwent Abstract of French Patent Appl. No. 2422956	
	B87.	Derwent Abstract of French Patent Appl. No. 2518755	
✓	B88.	Derwent Abstract of German Patent Appl. No. 10044648	

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Sheet	1	of	2		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
A) ↓		6,217,883	B1	ALLEN ET AL.	04/2001	
		6,287,856	B1	POET ET AL.	09/2001	
		6,368,601	B1	ALLEN ET AL.	04/2002	
		60/069,233		WANG ET AL.	12/11/1997	
		60/069,750		WANG ET AL.	12/16/1997	

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A) ↓		Brian M. Meehan et al., "Sequence of porcine circovirus DNA: affinities with plant circoviruses.", Journal of General Virology, vol. 78, No. 1, pp. 221-227, January 1997, XP-002068398	
		Annette Mankertz et al., "Mapping and Characterization of the Origin of DNA Replication of Porcine Circovirus.", vol. 71, No. 3, pp. 2562-2566, March 1997, XP-002078782	
		Andre L. Hamel et al., "Nucleotide Sequence of Porcine Circovirus Associated with Postweaning Multisystemic Wasting Syndrome in Pigs.", Journal of Virology, vol. 72, No. 6, pp. 5262-5267, June 1998, XP-002078783	
		Brian M. Meehan et al., "Characterization of novel circovirus DNAs associated with wasting syndromes in pigs.", Journal of General Virology, vol. 79, No. 9, pp. 2171-2179, September 1998, XP-002090386	
		Igor Morozov et al., "Detection of a Novel Strain of Porcine Circovirus in Pigs with Postweaning Multisystemic Wasting Syndrome.", Journal of Clinical Microbiology, vol. 36, No. 9, pp. 2535-2541, September 1998, XP-002090921	
		G.M. Allan et al., "Isolation of porcine circovirus-like viruses from pigs with a wasting disease in the USA and Europe.", Journal of Veterinary Diagnostic Investigation, vol. 10, pp. 3-10, January 1998, XP-002068503	

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		Filing Date	11/21/2003
		First Named Inventor	Andre JESTIN
		Group Art Unit	1648
		Examiner Name	Unassigned
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		Attorney Docket Number	065691-0342

NON PATENT LITERATURE DOCUMENTS			
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AS		John Ellis et al., "Isolation of circovirus from lesions of pigs with postweaning multisystemic wasting syndrome.", Canadian Veterinary Journal, vol. 39, pp. 44-51, January 1998, XP-002068502	
		J. Ségales et al., "First report of post-weaning multisystemic wasting syndrome in pigs in Spain.", Beterinary Record, vol. 141, No. 23, pp. 600-601, December 1997, XP-002068504	
		I. Tischer et al., "Distribution of antibodies to porcine circovirus in swing populations of different breeding farms.", Archives of Virology, vol. 140, No. 4, pp. 737-743, 1995, XP-002104704	
		AUTHOR UNKNOWN, GenBank Info on AF027217 (Revised July 5, 2002).	
		AUTHOR UNKNOWN, NCBI Sequence Revision History of AF027217 (Revised July 5, 2002).	

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